

UNIVERSITAS BINA NUSANTARA

School of Computer Science

Thesis Bachelor of Computer

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**ANALYSIS AND DESIGN OF GEOGRAPHIC INFORMATION SYSTEM FOR
THE DEVELOPMENT OF BASE TRANSCEIVER STATION
TELKOM FLEXI IN WEST JAKARTA****Moch. Fahrizal** **1200967335****Paul Filson M.T.** **1201005704****Randa Putra Tama** **1201004922****Class : 08PAT****Abstract**

The research aims to assist decision-making in terms of Telkom Flexi BTS development in particular to determine the strategic location of the new BTS. The research methodology consisted of a series of stages in the form of literature, data collection and design of geographic information systems (GIS). The result of this research is the design of geographic information systems for the development of base transceiver stations Telkom Flexi in West Jakarta. Conclusions of the study is that the web applications of geographic information systems can be used as an aid in determining the development of the strategic location of the base transceiver station (BTS) using data distribution and population density each sub-district.

Keyword: GIS, base transceiver stations, West Jakarta.